

ABSTRACT

There is provided a method for producing an essential oil emulsion without using a surfactant, wherein the essential oil emulsion can be easily diluted with water for its use and its emulsified state is stable, wherein the production method is characterized in that it comprises stirring an essential oil at a rotation number between 3,000 and 20,000 rpm in an alkaline solution with a pH value between 9 and 13 for emulsification, wherein the alkaline solution is either an aqueous solution of a compound (a base) that is dissolved in water to generate hydroxide ions (OH^-), or an alkaline ionized water generated on the cathode side (on the negative electrode side) when an electrolyte solution containing an electrolyte is decomposed by electrical energy, wherein the aqueous solution preferably has a base concentration between 0.00001 N and 0.01 N and a pH value between pH 9 and 13.